

# PULTEC

## Model C-2

### RECORD COMPENSATING CONTROL BOX

The Model C-2 Control Box is intended specifically for use with the Pultec Model PC-10 Record Compensating Amplifier. When used together they comprise a system capable of accepting signal from any magnetic cartridge, introducing the necessary playback compensation curve and supplying the signal for use at line level in 600 ohms.

By means of the selector switch, the user of the Model C-2 is able to select from among the following playback curves:

FLAT  
EUROPEAN  
RIAA  
NAB  
NOISY

The FLAT curve provides an RIAA response below 1000 cps and flat frequency response above 1000 cps. Curve C-1,201,561.

The EUROPEAN curve provides a 250 cps turnover on the low end and 6 db of attenuation at 10 kcs on the high end. Curve C-1,201,562.

The RIAA curve is officially defined by the Record Industry Association of America, Inc. It also is accepted as the NARTB standard, and is identical to the AES standard. Curve C-1,201,563.

The NAB curve is the lateral curve plotted as Fig. 2 in "NARTB Recording and Reproducing Standards" as adopted 1942 and amended April 1949 and June 1950. Curve C-1,201,564.

The NOISY curve provides an RIAA response below 2500 cps. The high end is sharply attenuated above 3500 cps. Curve C-1,201,565.

When used in conjunction with the Model PC-10 Amplifier, the RIAA and NAB playback curves introduced by the Model C-2 Control Box will deviate less than  $\pm 1$  db from the official curves at any point.

The gain of the system at 1000 cps will vary less than  $\pm 1$  db as the selector switch is operated from RIAA to any other position.

## INSTALLATION

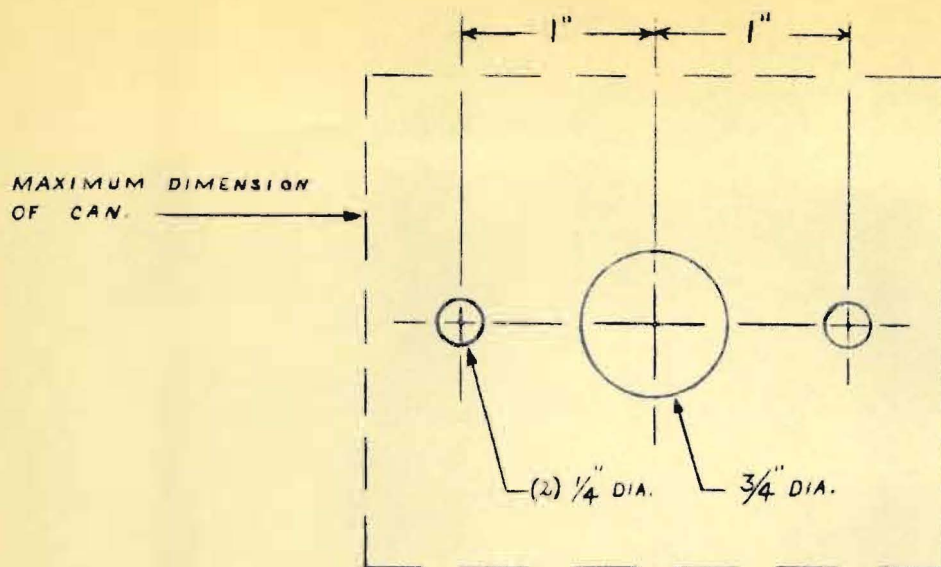
The Model C-2 Control Box consists of a metal box which contains the passive equalizer networks, a dial plate, a knob and a 30 inch cable with octal plug attached. Two 8-32 binding head machine screws are supplied for mounting the Model C-2.

A Mounting Template and Assembly Drawing is provided to facilitate drilling of the three required mounting holes and the assembly of the control box in the turntable cabinet.

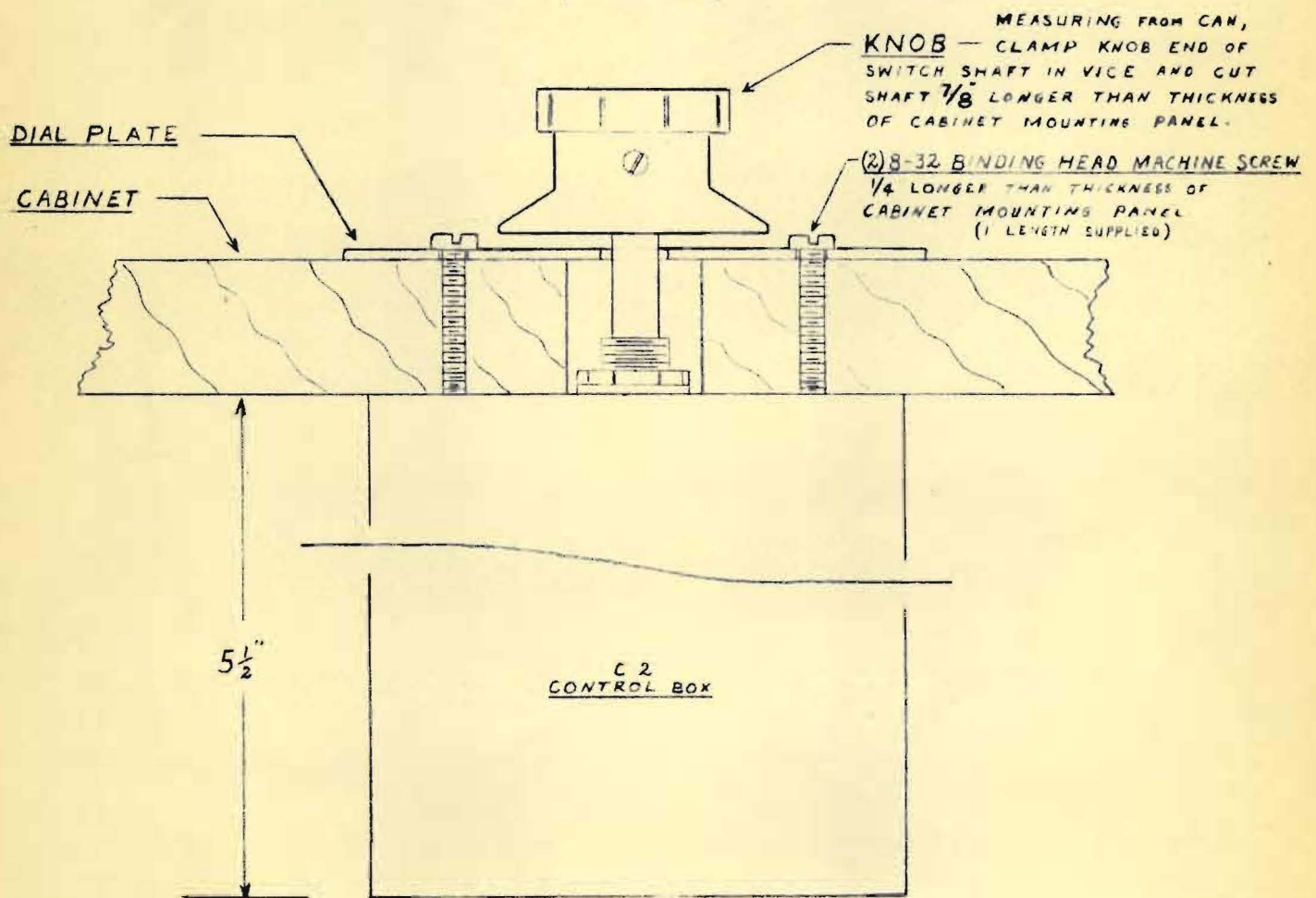
The C-2 Control Box is well shielded and so designed as to be relatively insensitive to alternating current fields. Nevertheless, it is always desirable to locate the control box as far from the turntable motor as is practical, consistent with operating convenience.

After the control box has been mounted, it is only necessary to insert the octal plug into the "Compensator" socket on the Model PC-10 Amplifier Chassis and the control box is ready for use.





MOUNTING TEMPLATE  
(FULL SCALE)



MOUNTING ASSEMBLY

PULTEC  
MODEL C 2  
CONTROL BOX

Dwg. No. E-112,856



